

Slimline PCB Relay PCN

- 1 pole 3 A, 1 NO contact
- Only 5 mm wide
- 3 A switching current; 5 A version available
- Load range 1 mA up to 3 A
- Sensitive coil 120 mW
- Allows high function- / packing density
- Cadmium-free contacts
- Z type with reinforced insulation



F0258-B

Applications

Centralized and decentralized heating control, extremely narrow interface elements, interface technology, timers, PLC's, I/O modules, I/O-ports

Approvals

VDE REG.-Nr. 6166; cULus E82292
Technical data of approved types on request

Contact data

Contact configuration	1NO
Contact set	bifurcated contact
Type of interruption	micro disconnection
Rated voltage / max. switching voltage AC	250/277 VAC
Rated current	3 A
Limiting continuous current	3 A
Maximum breaking capacity AC	750 VA
Limiting making capacity, max 4 s, duty factor 10%	5 A
Contact material	AgNi90/10
Minimum contact load	5V / 1mA
Rated frequency of operation with / without load	10 / 600 min ⁻¹
Operate- / release time	max. 8/3 ms
Bounce time NO / NC contact	max. 2/2 ms

Contact ratings

Type	Contact	Load	Ambient temp. [°C]	Cycles
IEC 61810				
PCN-1..D3MHZ	NO	3 A, 250 VAC, cosφ=1	70°C	100x10 ³
PCN-1..D3MHZ-001	NO	5 A, 250 VAC, cosφ=1	85°C	30x10 ³
UL 508				
PCN-1..D3MHZ	NO	3 A, 250 VAC, resistive	25°C	100x10 ³
PCN-1..D3MHZ	NO	Pilot duty, B300	25°C	6x10 ³
PCN-1..D3MHZ	NO	Pilot duty, R300	25°C	6x10 ³
PCN-1..D3MHZ	NO	9 A LRA, 1,5A FLA, 240 VAC	45°C	30x10 ³

Coil data

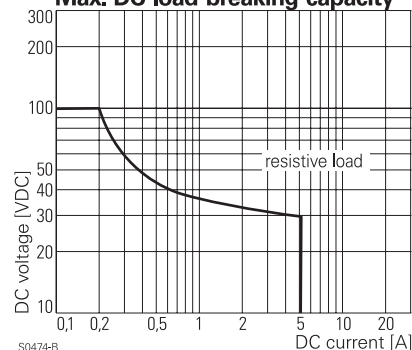
Rated coil voltage range DC coil	5...24 VDC
Operative range to IEC 61810	1

Coil versions, DC-coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
005	5	3.5	0.5	208±10%	120
006	6	4.2	0.6	300±10%	120
009	9	6.3	0.9	675±10%	120
012	12	8.4	1.2	1200±10%	120
024	24	16.8	2.4	4800±10%	120

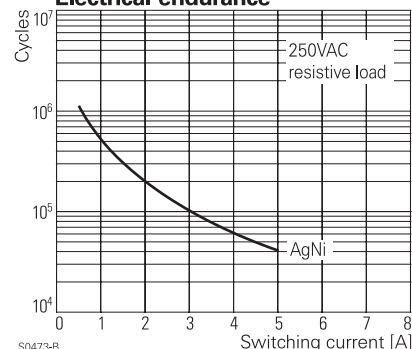
All figures are given for coil without preenergization, at ambient temperature +23°C
Other coil voltages on request

Max. DC load breaking capacity



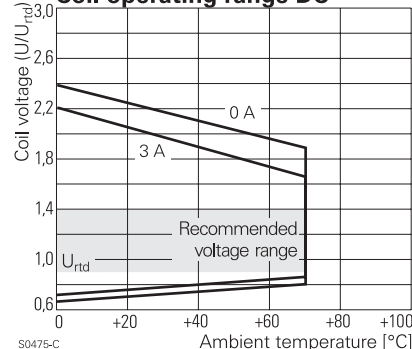
S0474-B

Electrical endurance



S0473-B

Coil operating range DC



S0475-C

